

⑩ 日本国特許庁 (J P)

⑪ 実用新案出願公開

⑫ 公開実用新案公報 (U)

平 2-28725

⑬ Int. Cl.

識別記号

片内整理番号

⑭ 公開 平成 2 年 (1990) 2 月 23 日

B 01 F 7/30

Z

8839-4C

審査請求 有 請求項の数 1 (全 2 頁)

⑮ 考案の名称 プラネタリーミキサー

⑯ 実 願 昭 63-108973

⑰ 出 願 昭 63 (1988) 8 月 15 日

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㉑ 実用新案登録請求の範囲

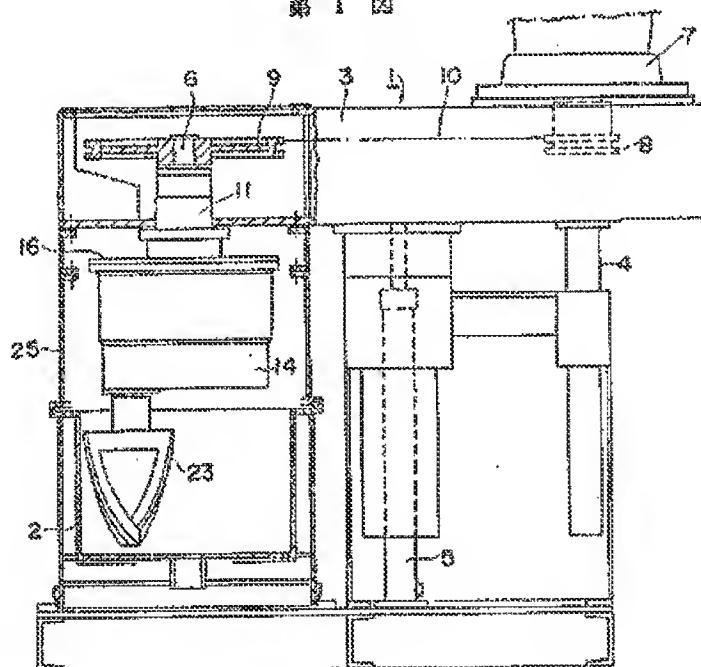
タンク上に位置する攪拌ヘッドに支持筒を設け、該支持筒に駆動軸を挿通し、該駆動軸に回転板を固定し、該回転板に上記駆動軸を取り囲むよう 3 本の従動軸を軸着し、該従動軸の先端に遊星歯車を設け、該遊星歯車を上記支持筒に支持した太陽歯車に係合し、上記各従動軸の下端に上記タンクの内壁に近接して遊星運動するようブレードを設けたプラネタリーミキサー。

㉒ 図面の簡単な説明

図面は本考案の実施例を示し、第 1 図は一部切欠正面図、第 2 図は駆動軸部分の拡大断面図、第 3 図はブレードの関係を示す平面図である。

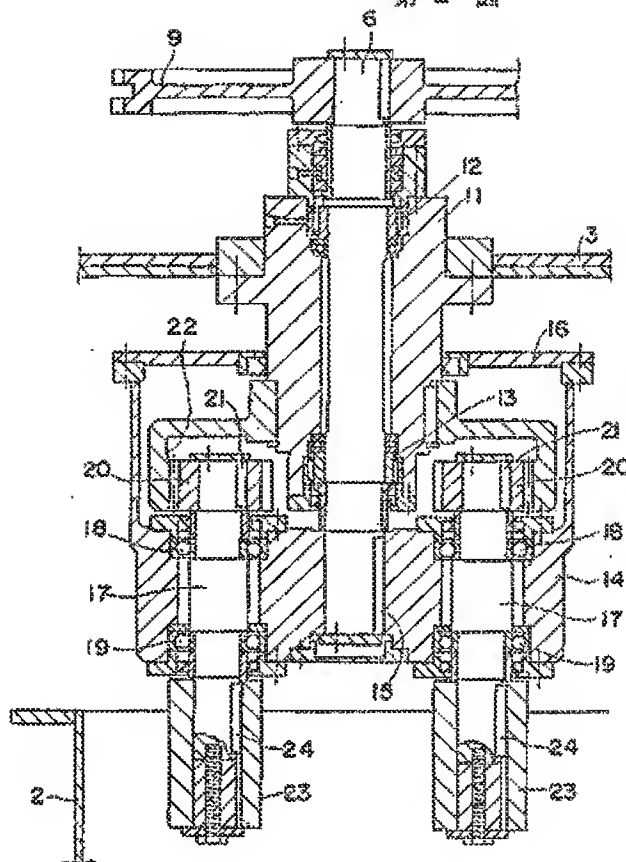
1 ……本体、2 ……タンク、3 ……攪拌ヘッド、6 ……駆動軸、11 ……支持筒、14 ……回転板、17 ……従動軸、20 ……遊星歯車、22 ……内歯太陽歯車。

第 1 図

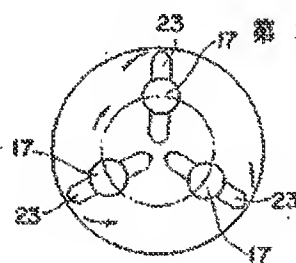


実開 平2-28725(2)

第2図



第3図



Planetary mixer

Publication number: US5150968 (A)

Publication date: 1992-09-29

Inventor(s): INOUE MASAKAZU [JP] +

Applicant(s): INOUE MFG [JP] +

Classification:

- international: B01F7/16; B01F7/30; B01F7/00; B01F7/16; B01F7/00; (IPC1-7). B01F7/14

- European: B01F7/16C2; B01F7/30

Application number: US19910657421 19910219

Priority number(s): EP19910102341 19910219

Also published as:

EP0499681 (A1)

EP0499681 (B1)

DE69112372 (T2)

Cited documents:

US374706 (A)

US3151847 (A)

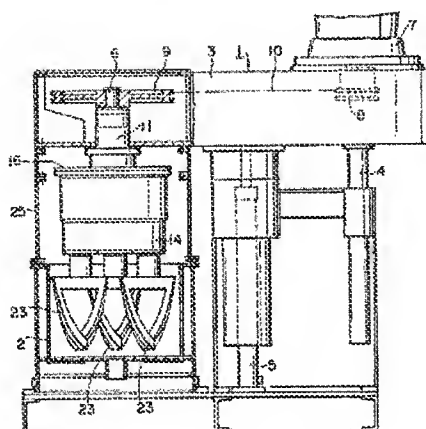
US4079917 (A)

US4697929 (A)

US5028141 (A)

Abstract of US 5150968 (A)

A planetary mixer having blades which conduct a planetary motion within a tank. A head vertically movably provided above the tank has a drive shaft extending downwardly. The drive shaft has a rotary body, which is provided with three driven shafts at positions corresponding to the respective apexes of an equilateral triangle. The blade is provided at the leading end of each driven shaft. When the rotary body is rotated by the drive shaft, a planetary gearing causes the three blades to rotate on the respective axes of the driven shafts and to simultaneously revolve them around the drive shaft, so that they conduct the planetary motion.



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Translate this text

The drawing is a detailed technical cross-section of a mechanical assembly. Key components and labels include:

- 1**: A horizontal shaft or rod passing through the upper part of the assembly.
- 2**: A large, curved, bowl-shaped component, possibly a valve or a part of a pump head.
- 3**: A vertical shaft or rod extending downwards from the main body.
- 4**: A vertical shaft or rod extending upwards from the base.
- 5**: A small component at the bottom of the vertical shaft 4.
- 6**: A small component at the top of the vertical shaft 3.
- 7**: A small component at the top of the vertical shaft 1.
- 8**: A horizontal component, possibly a piston or a valve, located in the upper part of the assembly.
- 9**: A horizontal component, possibly a piston or a valve, located in the middle part of the assembly.
- 10**: A horizontal component, possibly a piston or a valve, located in the lower part of the assembly.
- 11**: A small component at the top of the vertical shaft 3.
- 12**: A small component at the top of the vertical shaft 4.
- 13**: A small component at the top of the vertical shaft 5.
- 14**: A small component at the top of the vertical shaft 6.
- 15**: A small component at the top of the vertical shaft 7.
- 16**: A small component at the top of the vertical shaft 8.
- 17**: A small component at the top of the vertical shaft 9.
- 18**: A small component at the top of the vertical shaft 10.
- 19**: A small component at the top of the vertical shaft 11.
- 20**: A small component at the top of the vertical shaft 12.
- 21**: A small component at the top of the vertical shaft 13.
- 22**: A small component at the top of the vertical shaft 14.
- 23**: A small component at the top of the vertical shaft 15.